Bioreactor incl. stirrer and heating control
Modular sub-system for integration in test plants

Application / Features
- Sub-system for research applications
- Fermentation test reactor for biogas research

Features
- Bioreactor; glass cylinder with heating sleeve
- Heating control unit
- Large discharge cock,
- Feeding funnel (not shown on picture)
- Measuring technique (pH and temperature)
- Measuring technique (gas quantity, pH) according to requirements
- Stirrer incl. tools (anchor and propeller)
- Shaft feed by dipped pipe or shaft seals
- Rack-system

Bioreactor incl. stirrer/tools and heating control

Dimensions:
| Volume ca. 5 l | AD: 200 mm, WS: 9 mm, height: 250 mm |
| Volume ca. 15 l | AD: 270 mm, WS: 9 mm, height: 350 mm |
| Volume ca. 30 l | AD: 325 mm, WS: 10 mm, height: 450 mm |
| Volume ca. 60 l | AD: 420 mm, WS: 9.5 mm, height: 480 mm |

Material/ features: Special glass, plastic, discharge at bottom, sampling valve, funnel for feeding

Shaft feedthrough: Variant 1: dipped pipe, variant 2: gastight shaft feedthrough

Heating: Silicon sleeve and heating control unit „T-Controller“
Adjustable temperature to 60°C, other temperatures on request

T-Controller: T-Controller controls the substrate temperature and controls the heating sleeve to the target temperature. Power supply 220 V/ 110 VAC

Temperature measurement: Measuring point 1: substrate temperature; Measuring point 2: Gas temperature; Measuring point 3: heating sleeve temperature

Display of temperatures: Display of T-Controller

Stirrer: According to requirements

Additional measuring technique: pH, gas amount, gas quality, data acquisition

The detailed scope of equipment is explained with the offer.